

# Fan 92x92x25mm, 12V DC, IP20, KDE1209PTVX

Reference: AM7855  
EAN13: -  
HS code: 84145925



## Product attributes:

## Product features:

Voltage: 12 V DC  
Size: 92x92 mm  
Power consumption: 4,4 W  
Waterproof grade: IP20  
Lifetime: 70,000 hours

## Product description:

The SUNON KDE1209PTVX axial fan is designed for forced cooling of electronics in limited space, typically for coolers, equipment cabinets and industrial applications. Thanks to the 4-wire connection with PWM control, it allows for smooth speed regulation and at the same time provides a tachometer signal for monitoring operation.

## Technical specifications

- Model: KDE1209PTVX
- Type: axial DC fan
- Frame dimensions: 92 × 92 × 25 mm
- Supply voltage: 12 V DC
- Rated current: 0.37A
- Rated power consumption: 4.4 W
- Speed: 2300 rpm
- Airflow: 45 CFM
- Static pressure: 7.11 mm H<sub>2</sub>O
- Noise at full speed: 25–33 dBA
- Noise level (low mode/temperature control): 18-22 dBA
- Connection: 4 wires, 4pin connector (PWM + tachometer)
- Cable length: approx. 20 cm

## Functions and features

- PWM speed control to optimize cooling and noise ratio
- Tachometric output for speed monitoring (fault diagnostics, supervision)
- 92 mm design suitable for coolers and cabinet positions with higher pressure requirements
- Suitable for applications requiring higher static pressure (e.g. dense finning of coolers, filters)

## Ideal for

- Cooling CPU/GPU coolers and power modules
- Industrial controllers, power supplies and forced-air converters
- Cabinet ventilation of equipment with limited flow (grilles, filters, ducts)
- Service replacement of fans in compatible assemblies with 4pin PWM connector

## Package contents

- Fan SUNON KDE1209PTVX

## Why choose this product?

- Clearly defined electrical parameters for 12 V DC power supply
- 4pin PWM interface for speed control and integration into system supervision
- Compact size of 92 × 92 × 25 mm for wide compatibility in electronic devices
- Flow and static pressure combination suitable even for restrictive coolers

## Installation and operating instructions

- Verify mechanical compatibility (dimensions 92 × 92 × 25 mm) and airflow orientation according to the arrows on the fan frame.

- Supply only with 12 V DC and size the power supply at least for the specified current with a margin.
- For PWM control, use a 4-pin connector; when connecting to another system, verify the pinout and control signal levels.
- Ensure free air flow and minimize obstacles (grilles, filters) with respect to the required flow rate.

## Safety notice

- The fan is a rotating device; protect fingers and wiring from contact with the impeller during operation.
- Disconnect power before installation or servicing.
- Do not exceed the rated voltage of 12 V DC; improper power supply may result in fan damage or excessive heating.

